

ABSTRACT OF THE DISCLOSURE

The invention provides a method of manufacturing a system for treating a vascular condition. A catheter including an inflatable balloon is provided. A stent is positioned over the balloon. An adhesive material is applied between an inner surface of the stent and an outer surface of the balloon. The adhesive material is heated to above a melting point of the adhesive material. The adhesive material is cooled to below a melting point of the adhesive material to provide an adhesive bond that retains the stent to the catheter during vascular delivery, wherein the stent is released from the balloon following inflation and deflation of the balloon at a treatment site.